

L 19623-63

ENT(m)/BDS AFFTC/ASD

ACCESSION NR: AP3007085

S/0056/63/045/003/0637/0642

AUTHORS: Kazarinov, Yu. M.; Kiselev, V. S.; Silin, I. N.

TITLE: Phase shift analysis of nucleon-nucleon scattering at 147 MeV

SOURCE: Zh. eksper. i teoret. fiziki, v. 45, no. 3, 1963, 637-642

TOPIC TAGS: nucleon-nucleon scattering, phase shift analysis

ABSTRACT: The phase shifts previously obtained by the authors (ZhETF v. 43, 1385, 1962 and Preprint R-1011, OIYaN, 1962) are made more precise on the basis of new experimental data obtained from various sources. It is shown that in the vicinity of $\pm 5^\circ$ this solution is unique. The phase shifts are found to differ by as much as three orders of magnitude from the values obtained by Breit et al (Phys. Rev. v. 128, 826, 1962) and from the phase shifts calculated using the Hamada-Johnson potentials (Nucl. Phys. 34, 382, 1962).

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ACCESSION NR: AP3007085

"In conclusion, I thank S. M. Bilen'kiy, L. I. Lapidus, A. A. Logunov, R. M. Ryndin, and L. L. Nemenov for a discussion of the results touched upon in the work." Orig. art. has 5 figures and 2 tables.

ASSOCIATION: Ob''yedinenyyi institut yadernykh issledovaniy
(Joint Institute of Nuclear Research)

SUBMITTED: 27Feb63

DATE ACQ: 08Oct63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 018

Card 2/2

ACCESSION NR: AP4025925

S/0056/64/046/003/0920/0925

AUTHORS: Kazarinov, Yu. M.; Kiselev, V. S.; Satarov, V. I.

TITLE: Energy dependence of phase shifts in the scattering of nucleons by nucleons in the energy range 23-126 MeV

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 46, no. 3, 1964, 920-925

TOPIC TAGS: nucleon nucleon scattering, phase shift analysis, phase shift energy dependence, pp scattering, np scattering, unique solution

ABSTRACT: The phase shift analysis was carried out in an energy region where the experimental data are patently insufficient for a unique solution. The phase shift analysis program was analogous to that used earlier (Yu. M. Kazarinov and I. N. Silin, ZhETF, v. 43, 692 and 1385, 1962). The normal program of the phase shift analysis

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ACCESSION NR: AP4025925

with a search of solutions starting with random initial values was made at 52 and 126 MeV. The energy dependence of the most likely among the obtained seven phase shifts is traced at 23.1 and 66 MeV by refining interpolated values of the phase shifts with the aid of the existing experimental data. The resultant energy dependence is in satisfactory agreement with earlier results obtained by the authors and by others. "The authors are grateful to I. N. Silin and L. I. Lapidus for numerous discussions, to A. Carroll for communicating the data on np-scattering at 126 MeV and for useful remarks, and to B. Rose for reporting J. K. Perring's results of a pp-scattering phase shift analysis. Orig. art. has: 1 figure and 4 tables.

ASSOCIATION: Ob"yedinenny*y institut yaderny*kh issledovaniy
(Joint Institute of Nuclear Research)

SUBMITTED: 01Aug63

DATE ACQ: 16Apr64

ENCL: 01

SUB CODE: PH

NO REF SOV: 005

OTHER: 020

Card 2/32

ACCESSION NR: AP4019249

8/0056/64/046/002/0797/0803

AUTHORS: Kazarinov, Yu. M.; Kiselev, V. S.

TITLE: Phase shift analysis of nucleon-nucleon scattering at an energy 630 MeV

SOURCE: Zhurnal eksper. i teor. fiz., v. 46, no. 2, 1964, 797-803

TOPIC TAGS: nucleon-nucleon scattering, nucleon proton scattering, proton proton scattering, phase shift analysis, simultaneous phase shift analysis, most probable solution

ABSTRACT: An attempt is made to reconstitute the nucleon-nucleon scattering amplitude for nucleons in state with total isospin $t = 0$ from the results obtained by the Dubna group (ZhETF v. 44, 1106, 1963; preprint, OIYaI R-1217, Dubna, 1963; ZhETF v. 45, 664 and 1169, 1963, D-1236, Dubna, 1963, R-1266, Dubna, 1963; ZhETF, 45, 1174, 1963) and from known data on np scattering at 630 MeV. This is done

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ACCESSION NR: AP4019249

by a simultaneous phase shift analysis of the np and pp scattering, to permit the use of the scanty experimental information for the planning of future experiments. Three sets of phase shifts with approximately equal χ^2 probability were obtained, and additional experiments must be made in order to choose the best among the obtained solutions. "The authors are grateful to I. N. Sulin and L. I. Lapidus for numerous useful discussions." Orig. art. has: 4 figures and 4 tables.

ASSOCIATION: Ob"yedinenny"y institut yaderny"kh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 01Aug63 DATE ACQ: 27Mar64 ENCL: 00

SUB CODE: PH NO REF Sov: 018 OTHER: 001

Card 2/2

L 29607-66 EWT(m)/T

ACC NR: AT6013376

SOURCE CODE: UR/3202/65/000/511/0001/0024

AUTHOR: Dzhelepov, V. P.; Kiselev, V. S.; Oganesyan, K. O.; Flyagin, V. B.

38

Bt/

ORG: none

19

TITLE: Production of charged pi-mesons in collisions of neutrons with protons at a neutron energy of very nearly 600 Mev

SOURCE: Dubna. Ob'yedinennyi institut yadernykh issledovaniy. Doklady, R-2511, 1965. Obrazovaniye zaryazhennykh Pi-mezonov v soudareniyakh neytronov s protonami pri energii neytronov approximately equal to 600 Mev, 1-24

TOPIC TAGS: particle production, pi meson, neutron reaction, proton reaction, collision cross section

ABSTRACT: The energy spectra of the charged pions produced in (n-p)-collisions are measured at angles of 0-150°. A characteristic feature of these spectra is the high concentration of low-energy mesons. The spectral maxima are located at an energy very nearly equal to 60% of the maximum possible energy. An analysis of the energy distributions shows that the partial cross section σ_{01} has a considerable effect on particle production. The total angular distribution of the mesons has a low coefficient of anisotropy and is described by the expression:

$$\left(\frac{d\sigma}{d\Omega}\right)^{1/2} = [(1.00 \pm 0.08) + (0.77 \pm 0.10) \cos^2 \theta] \times (1 \pm 0.15) \cdot 10^{-28} \text{ cm}^2/\text{sterad}$$

Card 1/2

Card 2/2 UV

L 45092-66 EWT(m)/T

ACC NR: AP6020203 SOURCE CODE: UR/0056/66/050/006/1491/1504

AUTHOR: Dzhelepov, V. P.; Kiselev, V. S.; Oganesyan, K. O.; Flyagin, V. B.

+1

ORG: Joint Institute of Nuclear Research (Ob'yedinennyj institut yadernykh issledovaniy)

+4

B

TITLE: Formation of charged π -mesons in collisions of 600 Mev neutrons with protons

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1491-1504

TOPIC TAGS: p meson, meson interaction, neutron, proton, angular distribution, spectrometer

ABSTRACT: The energy spectra of charged mesons produced in n-p collisions involving 600-Mev neutrons have been measured in a wide range of angles by a multichannel magnetic spectrometer. The spectra are characterized by many low-energy mesons. The peak energy of the spectra is ~ 0.6 from the largest possible value. The angular distribution of π^\pm mesons in the center-of-mass system is described by the formula

$$(d\sigma^+ / d\Omega^+)_{\pi^\pm} = [(0.92 \pm 0.04) \mp (0.052 \pm 0.025) \cos \theta + (0.36 \pm 0.09) \cos^2 \theta] \cdot (1.00 \pm 0.15) \cdot 10^{-28} \text{ cm}^2/\text{stered.}$$

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L 45092-66

ACC NR: AP6020203

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The complete cross section of the meson formation was found to be
 $\sigma_{n\bar{p}}(\pi^+) = \sigma(\pi_n\bar{p}) = (1.3 + 0.2) \times 10^{-27} \text{ cm}^2$.

An analysis of the results shows that despite the dominant role of resonance formation of pions in phenomenological studies, the contribution of nonresonance transitions must be taken into account. The authors thank Yu. M. Kazarinov, L. I. Lapidus, and Yu. N. Simonov for discussing the results. Orig. art. has: 6 figures, 15 formulas, and 1 table. [Based on authors' abstract] [NT]

SUB CODE: 20/ SUBM DATE: 21Jan66/ ORIG REF: 014/ SOV REF: none/ OTH REF: 007/

Card 2/2

blg

ACC NR: AP7012413

SOURCE CODE: UR/0367/67/005/001/0146/0149

AUTHOR: Golovin, B. M.; Zul'karneyev, R. Ya.--Zulkarneev, R. Ya.; Kiselev, V. S.; Medved', S. V.--Medved, S. V.; Nikanorov, V. I. Pisarev, A. P.; Semashko, G. I.

ORG: Joint Institute for Nuclear Research (Ob'yedinennyy institut yadernykh issledovanij)

TITLE: Spin correlation during elastic scattering of polarized 605 MEV protons on protons

SOURCE: Yadernaya fizika, v. 5, no. 1, 1967, 146-149

TOPIC TAGS: elastic scattering, nuclear spin, proton beam, spark chamber, scintillation counter

SUB CODE: 20

ABSTRACT: The spin correlation coefficients in elastic pp-scattering were measured at 90° c.m.s., using a polarized 605 MeV proton beam. Spark chambers controlled by scintillation counters were used in the measurements. The following values of the coefficients were determined: $C_{nn} = 0.56 \pm 0.18$, $C_K P = 0.27 \pm 0.18$, $C_Q K n = 0.92 \pm 0.38$. The authors thank S. M. Bilen'kiy, V. P. Dzhelepov, L. I. Lapidus, R. M. Ryndin, G. D. Stoletov, and A. A. Tyapkin for discussion of the questions which arose during the work and also R. I. Zaplatina, L. A. Lebedeva, M. Ya. Uglirzheva, V. V. Ukleykina, and N. P. Yushkevich

Card 1/2

0932 1346

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

ACC NR: AP7012413

for examining the photoplates. Orig. art. has: 1 figure and 4 formulas.
[Based on authors' Eng. Abst.] [JPRS: 40,393]

2/2

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

L 38912-66 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c)

ACC NR: AP6017640 JD/HM/HW (N)

SOURCE CODE: UR/0133/66/00/001/0090/0091 14
B

AUTHOR: Kisalev, V. S. (Engr.); Strelkov, G. S. (Engr.); Sokolov, N. V. (Candidate of Technical Sciences); Ternavskiy, A. L. (Candidate of Technical Sciences)

ORG: NIIMetis; Beloretsk Steel Wire and Cable Factory (Beloretskoye staleprovolochno-kanatnoye proizvodstvo)

TITLE: Improvement of the quality of nichrome microwire 18

SOURCE: Stal', no. 1, 1966, 90-91

TOPIC TAGS: fine wire, nichrome alloy, metal drawing

ABSTRACT: After cold drawing, nichrome microwire¹⁷ in the free state twists into curls 1-3 mm in diameter which under tension form loops and cause the wire to break. Several methods of reducing or eliminating this defect are discussed. An arrangement for eliminating the curl on a wire 0.090 mm in diameter by centering the finishing draw plate is described; a wire 0.030 mm. in diameter with a curl 13-22 mm in diameter is thus obtained. Another arrangement is mentioned which produces such microwire without any curl at all. Thermal treatment of the wire was also investigated, but although the mechanical and electrical properties of the wire were satisfactory, its weldability was not, apparently because of a slight oxidation. The so-called spreading method involving the use of a D63-M flattening mill was also tested with good results. Orig. art. has: 5 figures. 26 10 74

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001

UDC: 621.771.4/9

KISELEV, V.T.

Advantages of erecting snow guards on the embankment. Put' i
put.khoz. 4 no.10;19 0 '60. (MIRA 13:9)

1. Nachal'nik Biyskoy distantsii puti Tomskoy dorogi, (g. Biysk).
(Railroads--Snow protection and removal)

KISELEV, V. V.

"Studies of Weight and Composition Changes in Grain During Storage." Cand Tech
Sci, Moscow Technological Inst of the Food Industry, Moscow, 1954. (RZhBiolKhim,
No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (12) - (13)

SO: SUM No. 556, 24 Jun 55
SUM. No. 598, 29 Jul 1955

KISELEV, V.V., inzh.

Analysis of the effect of the quality of aerial photographic material on the technical and economic indices of airborne phototopographic operations. Trudy MIIGAIK no.50:87-91 '62.
(MIRA 16:7)

1. Kafedra aerofotos"yemki Moskovskogo instituta inzhenerov geodezii, aerofotos"yemki i kartografii.
(Aerial photogrammetry)

Kiselev, V. V.
VUKOLOV, L.A., kandidat tekhnicheskikh nauk; KISELEV, V.V., inzhener.

Distribution of forces in railroad-car brake levers of all-metal passenger cars. Vest. VSNII MPS 15 no.4:35-37 D '56.

(MLRA 10:2)

(Railroads--Brakes)

KISELEV, V.V., inzhener; SHAPOVALENKO, A.M., inzhener.

Prospective development and ways of improving compressor brake equipment for locomotives. Trudy TSNII MPS no.127:132-172 '57.
(Railroads--Brakes) (MLRA 10:8)

KISELEV, V.V., inzh.; POSTOLENKO, A.I., kand.tekhn.nauk

Improving the design of brake compressors used in diesel locomotives. Trudy TSMII MPS no.163:288-309 '58. (MIRA 12:2)
(Railroads--Brakes) (Air compressors)

GORBUNOV, V.M., inzh.; KISELEV, V.V., inzh.; POSTOLENKO, A.I., kand.tekhn.nauk

Possibilities for using graphite piston rings in locomotive
brake compressors. Trudy TSNII MPS no.163:310-330 '58.

(Graphite) (Piston rings) (Railroads--Brakes) (Air compressors)
(MIRA 12:2)

KISELEV, V.V.; KOROLEV, V.G.; KRIVOLUTSKAYA, V.N.

Pre-Cambrian and Caledonian igneous rocks in the western part
of the Dzhetymbel' Range. Mat po geol. Tian'-Shania no.1:103-
122 '61.
(MIRA 17:2)

GRIGOR'YEV, D.V.; KISELEV, V.V.

Welding of narrow-gauge rails. Put' i put. khoz. 8 no.1:13
'64. (MIRA 17:2)

1. Nachal'nik Shaturskogo transportnogo upravleniya (for
Grigor'yev).

IVANOV, A.K.; DUBININ, M.M.; KISELEV, V.V.

Screw compressors in the gas industry. Gaz.prom. 5 no.10:40-43 0
'60. (MIRA 13:10)
(Compressors)

BAKIROV, A.; KISELEV, V.V.; KOROL'YOV, V.G.

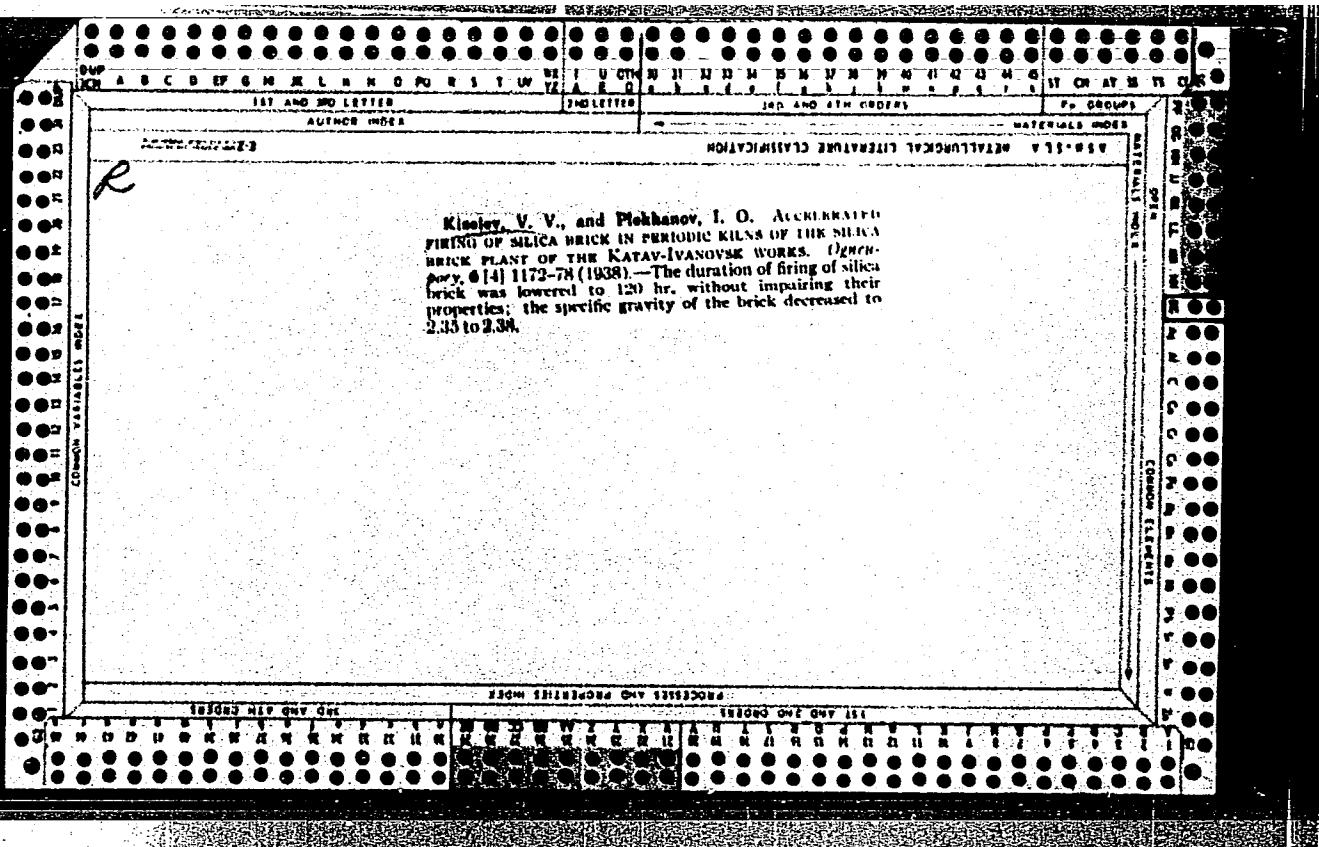
New data on the Paleozoic stratigraphy of the eastern parts of
the Ulan Range and the Naryn-Tau. Mat po geol. Tian'-Shan'ia no.
1:23-41 '61.

Geology and age of the "Ulan intrusive massif." Ibid.:123-138
(MIRA 17:2)

DEMIN, G.I.; PLUZHNIKOV, A.I.; CHURAKOV, A.M., inzh.; ZHILIN, I.S., inzh.;
MAKAROV, D.M., inzh.; LEBEDEV, N.D., inzh.; SHISHLOV, D.D., inzh.;
IGLIN, V.P., inzh.; YEVLAEV, E.S., laborant; ~~KISELEV, V.V.~~,
laborant; KOTEL'NIKOV, V.V., laborant; TYULENEVA, N.I., laborant

Transfer of a holding furnace to heating by natural gas with
self-carburation. Stal' 23 no.8:755-758 Ag '63. (MIRA 16:9)

1. Moskovskiy institut stali i splavov (for Demin, Pluzhnikov).
(Furnaces, Heating)



KISELEV, V. V.

185T48

USSR/Engineering - Foundry, Equipment Feb 51

"Needle Recuperator for Preheating the Air Blast in a Cupola Furnace," V. V. Kiselev, Engr., Ural Turboeng Plant

"Litsey Proiz" No 2, pp 16-18

Recuperator consists of firebox for addnl combustion of spent gas and battery of heaters made of needle pipes. Gas escapes from furnace through 6 openings in its wall 1,400 mm below charging door. Cupola, operated on hot blast, consumes 30% less coke and produces cast

185T48

USSR/Engineering - Foundry, Equipment Feb 51
(Contd)

iron 20-30% hotter than furnace with cold blast. Burning-out of lining, despite different characteristics of burning-out, is same in both cases and amounts to 0.4 cum with inside diam equal to 1,100 mm.

185T48

KISELEV, V.V.

Salvage (waste, etc.)

Utilization of an instrument which has become unfit. Torf. prom, 29, no. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED

1. KISELEV, V. V.
2. USSR (600)
4. Galvanizing
7. Factory practice. Torf.prom 29 no. 12 - 1952

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

1. KISELEV, V. V., Eng.
2. USSR (600)
4. Boltenko, V. I.
7. For better utilization of the equipment; in response to V.I. Boltenko's article.
Torf. prom. 30, no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KISELEV, V.V., inzhener.

~~Quality of chain production. Torf.prom. no.2:25-26 '54.~~

(MLRA 7:3)

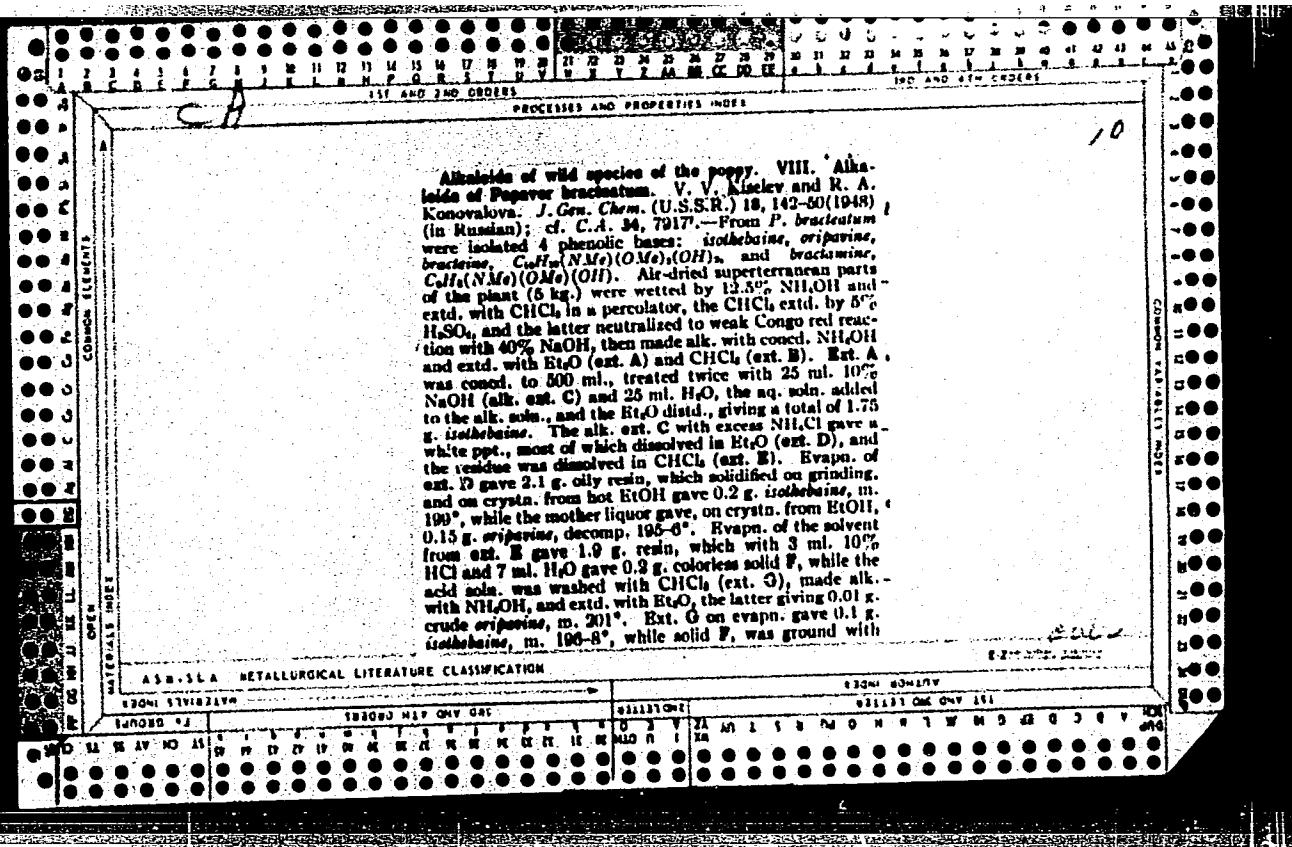
1. Kuznetskiy mekhanicheskiy zavod.

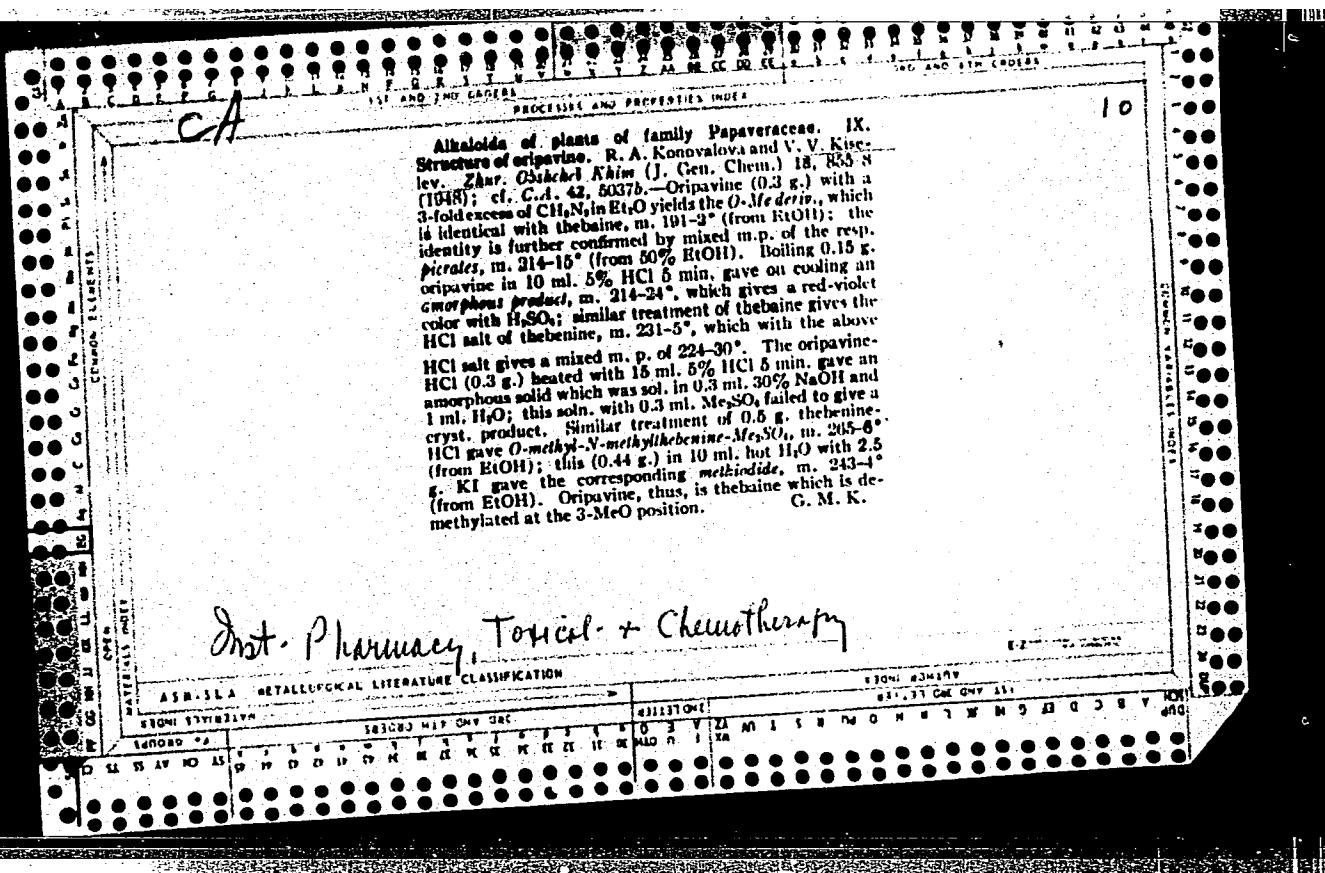
(Chains)

KISELEV, V.V.; CHUPRIKOV, S.A., inzh.

Peat transportation workers of the Shatura Railroad Administration are striving for technical progress. Torf.prom. 36 no.6:1-4 '59. (MIRA 13:2)

1. Shatskiiy torfotransport (for Kiselev). 2. Vsesoyusnyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta (for Chuprikov).
(Shatura--Peat--Transportation)





KISELEV, V. V.

58/49T15

USSR/Chemistry - Alkaloids

Chemistry - Isothebaine

Jan 49

"Alkaloid Plants of the Papaveraceae Family: X.
Structure of Isothebaine," V. V. Kiselev, R. A.
Konovalova, Alkaloid Dept., Inst. of Pharmacol,
Toxicol, and Chemotherapy, 8 3/4 pp

"Zhur. Obshch. Khim." Vol. XII, No 1 1942.

Conclusions: (1) Methylating of isothbaine by
dimethylsulfate occurs under conditions set forth by
Pabarr and Karo. (2) First stage of Hoffmann
degradation occurs abnormally through splitting
off of trimethylamine. Previous explanations for

58/49T15

USSR/Chemistry - Alkaloids (Contd)

Jan 49

the arrangement of substitutes in isothbaine were
shown incorrect. Presence of a phenanthrene
nucleus in isothbaine was confirmed by extraction
of mellophanic acid. Submitted 9 Dec 46..

58/49T15

m.p. 26-8°, [α]_D -100.6°. Isothebaïne-MeI (0.5 g.) in red needles, shown to be inactive, was dissolved in 9.3 ml. 10% NaOH and 10 ml. water, warmed 1 hr. at 60°, liberation of the base and treatment with a large excess of Me₂SO₄ in Et₂O gave the methosulfate of the isothebaïne (decomp.) (from Et₂O); it is also obtained by inactive des-base, m. 106-7° (from MeOH). The mixed product does not des-bases (5.1 g. in 65 ml. Et₂O) and 2 ml. Me₂SO₄ let depress the m.p. of isothebaïne-MeI. Isothebaïne (5 stand 4.5 hrs. gave 8 g., mixed in chloroform, these in g.) in 25 ml. 20.6% NaOEt was treated in 3 portions 75 ml. MeOH boiled 3 hrs. with 18.9 g. KOH (much with a total of 15.6 ml. Me₂SO₄, an addnl. 25 ml. NaOH MeCN is evolved), gave, after c. 1 hr. with 1 (O and acid, added, the mixt. kept on a steam bath until Me₂SO₄ hy. 76.8%, Nalox (soft) in 215°C. (decomp.), identified as the isothebaïne (decomp.). After cooling, the HCl was added, the precipitate was collected, washed with H₂O and 135 ml. more 25% NaOH added, the mixt. re-reacted as above, giving a purple in 120-125°. It is also refluxed 3 hrs. evolution of MeCN, extd. with Et₂O, dried, and the Et₂O solution of the isothebaïne and the Et₂O soln. extd. with 5% H₂SO₄, then with water, 10% NaCl, 10% Na₂CO₃, 10% Na₂S₂O₃, 10% Na₂CO₃, H₂O, dried, and evapd., giving 0.1 g. tar, which was of from the inactive form. Oxidation of this substance extd. with MeOH and the ext. treated with picric acid, by KMnO₄ in MeOH at 20-22°, monochloro-*naphtho[1,2-d]isothebaïne* yielding a violet *picrate*, m. 129°, identical with that of *isothebaïne*, m. 173°, *picrate*, m. 154°, in EtOH.

AEROSPACE METALLURGICAL LITERATURE CLASSIFICATION

R. stirring 1.45 g. of the acid with 4.5 g. Cu-Cr catalyst in 20 ml. acetic acid 2 hrs. gave trimethoxyphenanthrene (I), isolated as the picrate, m. 153-9° (from EtOH); the free I could not be crystallized. Oxidation of the N-free substance (m. 215-19°) with hot HNO₃ (d. 1.37) gave nellophamic acid, m. 234-1°; methylation by Cl₃N₂ gave the Me ester, m. 131-2°. Boiling 2 g. isothiocyan-Mel 3 hrs. with 6 g. NaOH in 25 ml. MeOH and evn. with Et₂O gave 1.2 g. optically inactive des-N-methylisothiocyan as a resin [picrate, m. 198° (crude), 206-7° (after treatment with EtOH); acetate, m. 145-53°, softening at 140-5° (from EtOH)]; the 2nd step of the Holmum reaction gave 0.4 g. tar (MeOH evn. noted), which could not be purified. I is not 3,4,5-trimethoxyphenanthrene.

G. M. Kosolapoff

WIS:IN, V. V.

Chem Abs

y.48 25 Jan 54

Organic Chem

✓ Alkaloids of the plants of Papaveraceae family. XI.
 Oxidation of isothbealme. V. V. Katsley and R. A. Konovalova (S. Ordzhonikidze All-Union Chem. Pharm. Inst., Moscow). Zhur. Obshchey Khim. 22, 2233-0 (1952); cf. C.A. 43, 6207h.—Oxidation of 3 g. Isothebaime in H_2O with 21.0 g. $KMnO_4$ at room temp., then at 50-60° gave 1.91 g. crude product, which yielded 0.3 g. 3-methoxyphthalic anhydride, m. 160-60°, after sublimation. This heated with $Pt(NH_3)_4$ in $MePh$ gave 3-methoxyphthalanilic acid, melting with foaming 163°, on rapid heating, m. 159-60° on slow heating; on remelting the product m. 187-9°, indicating formation of 3-methoxyphthalanil. Oxidation of 4.35 g. the Me ether of isothbealme methosulfate by 21.84 g. $KMnO_4$ in 3-4% soln., as above, gave 0.23 g. 3-methoxyphthalic anhydride and 0.58 g. product, m. 240-1°, on slow heating, decomp. 175-80°, on rapid heating, remelting at 240-1°; this substance $C_{14}H_{14}O_6$ is apparently 2,3,2'-trimethoxy-5,6,6'-tricarboxybiaryl. Treatment of 4 g. corydine-HCl salt with 12.8 ml. Me_2SO_4 in 30% NaOH gave the Me salt with 3g. KI gave the methiodide of corydine, decomp. 248-9° (from EtOH). Oxidation of the methosulfate with $KMnO_4$ as above gave an acid, $C_{14}H_{14}O_6$, apparently 5,6,5',6'-tetramethoxydiphenyl-2,3,3'-tricarboxylic acid, m. about 125°, with foaming and immediate resolidification and remelting at 220-30.5°; on slow heating the material shrinks at 120-5° and m. 220-30.5°; pure material on slow heating m. 230-1°. The formation of 3-methoxyphthalic acid from isothbealme shows the locations of the HO and MeO groups in the benzene ring of aporphine skeleton (in the tetrahydroisoquinoline fraction); 1 MeO in the other benzene ring is in 1 or 4 position. In oxidations with $KMnO_4$ of nonphenolic aporphine alkaloids the benzene ring in the tetrahydroisoquinoline part of the structure is less stable to oxidation in alk. medium than the other benzene ring. G. M. Kosolapov

KISELEV, V. V.; KRASIL'NIKOV, K. G.

Carbon Black

Investigation of the adsorption and heat of adsorption of phenol when absorbed by non-porous carbon black from aqueous solutions. Dokl. AN SSSR 86 no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KISELEV, V. V.

PA 245T7

USSR/Chemistry - Pharmaceuticals,
Alkaloids
11 Nov 52

"On the Composition of Cholchicerine and the New
Alkaloid Cholchamine," V. V. Kiselev, G. P. Men'shikov,
and A. A. Beer, All-Union Sci-Bes Chemico-
Pharmaceutical Inst imeni S. Ordzonikidze

"Dok Ak Nauk SSSR" Vol 87, No 2, pp 227, 228

Some chemical constants and physical properties of
cholchamine are given and the method of crystallizing
this substance is described. The perchlorate was ob-
tained by interaction with sodium perchlorate; the

245T7

monobenzoyl derivative was obtained by treatment with
benzoyl chloride. On the basis of the data obtained,
cholchamine seems to be a secondary base differing
from cholchicine in having a nitrogen in place of a
methyl group. The composition of cholchicerine cor-
responds to the formula $C_{43}H_{50}O_1N_2$. Presented by
Acad V. M. Rodionov 11 Sep 52.

245T7

KISELEV, V.V.

11 Feb 53

USSR/Chemistry - Alkaloids

"The Chemical Properties of Colchamine," V.V. Kiselev, G.P. Men'shikov, All-

Union Sci Res Chemicopharmaceutical Inst im S. Ordzhonikidze

DAN SSSR, Vol 88, No 5, pp 825-827

Studied the chem properties of colchamine, an alkaloid of *Colchicum speciosum*

Stew. From the results, established that colchamine is N-methyldesacetylcolchicine,

and colchamein (obtained by saponifying an OCH₃ group of colchamine) is

N-methyldesacetylcolchacein. The product of the reaction of iodine on colchamine

is N-methyliodocolchinol. N-methylcolchaminic acid is N-dimethyldesacetylcolchicinic

acid and N-acetylcolchamine is N-methylcolcheine. Presented by Acad V. M.

Rodinov 26 Nov 52.

Source #264T24

USSR

Preparation of *N*-methylcolchicine from colchicine and the identity of colchamine and alkaloid F. V. V. Kiselev
(S. Ordzhonikidze All-Union Sci. Research Chem.-Pharm. Inst., Moscow). Doklady Akad. Nauk S.S.R. 96, 527-9 (1954); cf. C.A. 48, 3952g.—To boiling mixt. of 3 g. colchicine in 12.5 ml. H₂O was added 1.8 ml. HCl (d. 1.15) and refluxing was continued 15 min. When colchicine (ptd.) continued refluxing until the t.p. was reached and (about 12 hrs.) gave after extn. with CHCl₃, extn. of the ext. with H₂O, followed by evapn. of the remaining soln. with 77.8% deacetylcolchicine HCl salt, which treated in MeOH suspension by means of CH₂N₂ in Et₂O gave deacetyl base, isolated as the diacetate, m. 221-3°. When 0.25 g. colchicine was allowed to stand several days in 5 ml. soln of 0.52 g. dry HCl in abs. MeOH, the soln.稀釋 with 50 ml. H₂O and extn. with CHCl₃, the acidic soln. yielded 0.04 g. deacetylcolchicine, isolated as the diacetate, H₁ n.m.r. m. 218-19°. The free base, isolated from the salt and methylated by means of ClH₂O-HCO₂H gave *N*-methyl-colchicine m. 201-2°, which was identical with the specimen obtained from colchamine; the free base, [α]_D²⁵ +123.8° (EtOH). A brief review of the literature indicates that colchamine and alkaloid F (Santavy, C.A. 44, 9618) are n.-feed identical as shown by identity of the properties of the base and several derivs. G. M. Kosolapoff.

KISELEV, V.V.

Speciosine, a new alkaloid from Colchicum speciosum Stev. V.V. Kiselev.
Zhur. ob. khim. 26 no. 11: 3218-3220 N '56. (MIRA 10:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.

(Alkaloids)
(Colchicum)

KISELEV, V.V.

Preparation of alkaloid mixtures. Dokl. AN Uz. SSR no.9:33-36
'57. (MIRA 11:5)

1. Vsescouznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut im. Sergo Ordzhonikidze. Predstavлено akademikom AN
UzSSR S.Yu. Yunusovym.
(Colchicine) (Colchamine)

5 (3)

AUTHOR:

Kiselev, V. V.

SOV/79-29-7-76/83

TITLE:

Separation of the Acetyl Group of Colchicine (Otshchepleniye
atsetil'noy gruppy kolkhitsina)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 7, pp 2445-2449 (USSR)

ABSTRACT:

It is known that the colchicine derivatives which have more pronounced basic properties than colchicine itself (I) surpass in some cases the colchicine in chemotherapeutical respects. Among them is the colchamine (II) (Refs 1, 2), described in publications as "Kolchitin" (Ref 3), the "Alkaloid F", the deacetyl colchicine (III), the amino colchicide (IV) (Refs 6, 7) and the "Demekolcin" (Ref 4). The formulae (I)-(IV) clearly show that an increase of the basic properties of colchicine can be achieved by removal of the acetyl group or by substitution of an amino group for the methoxyl at the tropone ring. On the action of hydrochloric acid on (I) the methoxyl at the tropone ring is first of all saponified, yielding (V) (Ref 8). Further, the acetyl group is splitted off and gives deacetyl colchicine (VI). The colchicine is usually obtained by means of dilute hydrochloric acid. The separation of the acetyl group was carried out in two steps: by separation of colchicine and

Card 1/3

Separation of the Acetyl Group of Colchicine

SOV/79-29-7-76/83

by using concentrated hydrochloric acid in the second stage (Refs 8, 9). Recently, (VI) was synthesized in one step only (Refs 10-12). The authors suggested to carry out this process in one step with 5 % hydrochloric acid (Ref 12). The deacetylation of colchicine is thus thoroughly carried out. Unfortunately the synthesis of deacetyl colchicine (III) by methylation of the deacetyl colchicine meets with difficulties, since two isomers, the deacetyl colchicine and isodeacetyl colchicine (VII) (Ref 10) result. The latter does not exhibit the desirable biological activity (Ref 15). Attempts of the authors to carry out the deacetylation of colchicine under maintenance of the methoxy group, were not quite successful. Under otherwise equal conditions the quantity of the reactive colchicine and the yield of deacetyl colchicine varied according to the concentration of the hydrogen chloride. In higher concentrations the most considerable part of colchicine does not react, so that nearly no deacetyl colchicine is formed; this also confirms the reaction proceeding described above. The authors succeeded in carrying out the saponification of the amino colchicide (IV) with dilute hydrochloric acid, and obtained compound (X) which was previously obtained by various

Card 2/3

Separation of the Acetyl Group of Colchicine

SOV/79-29-7-76/83

researchers from deacetyl colchicine (Ref 10). The analysis of the hydrochloride gave the empirical formula of amino-deacetyl colchicide (X) $C_{19}H_{22}O_4N_2$. The amino group which is formed on deacetylation causes the basicity, but also the amino group at the tropone ring has weakly basic properties. There are 21 references, 2 of which are Soviet.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze (All-Union Scientific Chemicopharmaceutical Research Institute imeni S. Ordzhonikidze)

SUBMITTED:

March 21, 1958

Card 3/3

KISELEV, V.V.

Aminocolchicide and its derivatives. Part 2: Aminodesacetyl-N-methylcolchicides. Zhur. ob. khim. 30 no.11:3721-3725 N'60.

(MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(Colchicide)

KISELEV, V.V.

Aminocolchicide and its derivatives. Part 3: Colchicidyl derivatives
of glycocoil and β -alanine. Zhur. ob. khim. 31 no.1:334-336 Ja
'61. (MIRA 14:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.
(Colchicide)

KISELEV, V.V.

Derivatives of aminocolchicide. Part 4. Zhur.ob.khim. 34 no.2:618-
621 P '64.
(MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S.Ordzhonikidze.

BOCHARNIKOVA, A. V.; KISELEV, V. V.

Structure of isochebaine. Synthesis of 2, 3, 8-trimethoxyphenanthrene.
Zhur. ob. Khim. 34 no. 6:1984-1986 Je '64. (MIR 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevicheskiiy
institut imeni S. Ordzhonikidze.

SMIRNOV, A.I., kand.tekhn.nauk; SKVORTSOV, O.S., inzh.; KISELEV, V.V.

Use of long length rails on the railways of the Shatura peat
transportation. Toff. prom. 38 No. 3:18-21 '61. (MIRA 14:4)

1. Vsesoyuznyy tsentral'nyy nauchno-issledovatel'skiy institut
Ministerstva putey soobshcheniya (for Skvortsov). 2. Shaturskoye
transportnoye upravleniye (for Kiselev).
(Shatura—Peat industry)

KISELEV, V.V., inzh.; MERENTSEV, S.P., inzh.; SHELEST, P.A., inzh.;
KMETIK, P.I.: inzh., retsenzent; PALEYEV, N.M., inzh., red.

[Locomotive compressors] Kompressory lokomotivov. Moskva,
Mashinostroenie, 1965. 334 p.
(MIRA 18:4)

KISELEV, V.V.; KOROLEV, V.G.

New data on the Pre-Cambrian and Paleozoic stratigraphy in
the western part of the Kirghiz Range. Mat. po geol. Tian'-
Shania no.4:3-44 '64.

Faults and structural turns in the western part of the Kirghiz
Range. Ibid.:147-152

(MIRA 17:10)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

BELKIN, O.S.; KISELEV, V.~~MA~~

Erosion of electrodes in high current discharges in rarefied
media at atmospheric pressures. Trudy MEI no.64:261-270 '65,
(MIRA 19:1)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

L 23486-66 EHT(m)/EWP(t) IJP(c) JD/HB
ACC NR: APG007092

UR/0057/66/036/002/0384/0389

AUTHOR: Belkin,G.S.; Kiselev,V.Ya.

ORG: Moscow Order of Lenin Power Engineering Institute (Moskovskiy ordena Lenina energeticheskiy institut)

TITLE: Electrode erosion in high-current pulsed discharges

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 2, 1986, 384-389

TOPIC TAGS: spark gap, spark discharge, electrode, erosion

ABSTRACT: The authors have investigated erosion of copper electrodes in oscillating discharges with periods from 35 to 200 microsec, damping constants from 5.9×10^3 to $57 \times 10^3 \text{ sec}^{-1}$, and maximum currents from 70 to 800 kA. The mass of metal ejected from the electrodes was determined by weighing the electrodes before and after the discharge. The electrodes were surrounded by a metal screen on which the ejected metal was deposited. By examining the deposit on this screen it was possible to determine that 85-90% of the ejected metal came off as liquid and only 10-15% as vapor. The mass of ejected metal was found to be proportional to the integral over the full discharge time of the absolute value of the current, provided this integral exceeded a threshold value of about 10 coulombs. The mass of electrode metal melted in the discharge is calculated; comparison of this calculated result with the observed electrode erosion showed that approximately 40% of the molten electrode metal is ejected, independently of the

Card 1/2

UDC: 537.523.4

L 23486-66

ACC NR: AP6007092

magnitude of the discharge. A formula is given with which one can calculate the mass of electrode metal lost in the discharge of a capacitor from the initial charge on the capacitor, the potential drop at the electrode, the melting temperature of the electrode metal, and the characteristics (damping constant) of the oscillating circuit. Electrode erosion can be reduced by reducing the inductance of the discharge circuit. Orig. art. has: 15 formulas and 4 figures.

SUB CODE: 20/

SUBM DATE: 03May65/

ORIG REF: 005/

OTH REF: 000

Card 2/2 ✓✓✓

KISELEV, V.Ye., inzhener.

Adjusting an electromagnetic voltage corrector. Elek.sta. 25
no.1:54-55 Ja '54.

(MIRA 7:1)

(Dynamics)

AUTHORS: Svisstunova, Z. V., Chaporova, I. N., SOV/32-24-9-21/53
Vasil'yeva, N. P., Sultanyan, T. A., Kiselev, V. Ye.

TITLE: An Electron-Microscopic Investigation of the Structure of
Powder-Metallurgical Hard Alloys (Elektronnomikroskopicheskaja
issledovaniye struktury metallokeramicheskikh tverdykh splavov)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 9, pp 1093-1095
(USSR)

ABSTRACT: In this paper experimental results obtained by employing new
methods of producing replicas for structural examinations of
hard alloys are given. Furthermore, the conditions for
polished section etching are determined. The polished sections
of hard alloys of the types BK 6, BK 8, BK11, T15K6 and T30K4
were produced as usual, the method of polishing by etching
being employed. The reagents used and the conditions are given
in a table. It is observed that satisfactory results are
obtained by titanium and collodion replicas. Quartz replicas
have the disadvantage of being non-resistant. Among other
facts the results mentioned show that the alloys of tungsten
carbide with cobalt, a normal carbon content provided, consist

Card 1/2

An Electron-Microscopic Investigation of the Structure SOV/32-24-9-21/53
of Powder-Metallurgical Hard Alloys

of two phases- the tungsten carbide and the solid solution of tungsten and carbon in cobalt. The fine-grained alloy BK consists of tungsten carbide granules of 0,4 to 0,7 μ . Pictures of the microstructures obtained are given. There are 4 figures, 1 table, and 8 references, 6 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (All-Union Scientific Research Institute of Hard Alloys)

Card 2/2

AL'TERGOT, V.F.; KISELEV, V.Ye.

Mobility of calcium as related to evaluating its physiological role and activity in plants. Izv.Sib.otd.AN SSSR no.2;76-84 '60. (MIRA 13:6)

1. Institut biologii Sibirskogo otdeleniya AN SSSR.
(Plants, Effect of calcium on)

KISELEV, V.Ya.

Characteristics of the uptake of 2,4-D mixture and mineral salts
in a plant and the physiology of their action. Izv. SO AN SSSR
no.4. Ser. biol.-med.nauk no.1:75-80 '65.

(MIRA 18:8)

1. Tsentral'nyy Sibirskiy botanicheskiy sad, Novosibirsk.

KISRELEV, V.Z.

Interurban ZIS-127 autobus. Avt.trakt.prom. no.9:7-9 S '55.
(MLRA 8:12)

1. Moskovskiy avtosavod imeni Stalina
(Motorbuses)

KISELEV, V.Z.

NOVIKOV, P.I.; SEMENOV, P.L.; FRIDMAN, M.I.; KISELEV, V.Z., inzh.,
otvetsstvennyy red.; LEZHNEVA, Ye.I., red. izd-va; EL'KIND, V.D.,
tekhn.red.

[ZIL-127 interurban motorbus; instructions for operation] Mezhdunarodnyi avtobus ZIL-127; instruktsiya po eksploatatsii. Moskva,
Gos. nauchno-tehn. izd-vo mashinostroit. lit-ry, 1957. 233 p.

(MIRA 11:5)

1. Moskovskiy avtomobil'nyy zavod. 2. Yaroslavskiy avtozavod
(for Novikov). 3. Nachal'nik byuro avtobusov Moskovskogo avtomobil'-
nogo zavoda imeni Likhacheva (for Kiselev)
(Motorbuses)

SAMOL', G.I., kand. tekhn. nauk; GOL'DBLAT, I.I., kand. tekhn. nauk; KISELEV, V.Z., inzh., retsenzent; VASIL'YEVA, I.A., red. izd-va; EL'KIND, V.D., tekhn. red.

[Gas cylinder automobiles] Gazoballonnye avtomobili. Izd.3.
Moskva, Mashgiz, 1963. 386 p. (MIRA 16:5)
(Automobiles--Engines (Compressed gas))

KISELEV, Ya., kand.yurid.nauk

Close to the demands of our day. Okhr.truda i sots.strakh. 5
no.3:14-15 Mr '62. (MIRA 15:4)
(Industrial hygiene)

DOMOGATSKIKH, Mikhail Georgiyevich; KISELEV, Ya., red.; TAMULEVICH,T.,
tekhn. red.

[The morning of Tibet] Utro Tibeta. Moskva, Izd-vo "Molodaia
gvardiia," 1962. 171 p. (MIRA 16:3)

1. Korrespondent "Pravdy" (for Domogatskikh).
(Tibet—Social conditions)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

KISELEV, Ya.

Woodworkers are aided by shadows. Znan.sila no.8:28 Ag '54.
(Woodwork) (MIRA 7:8)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

KISELEV, Ya.

Structures to be assembled in the field. Znan. sila no.5:34
My '55. (MLRA 8:6)
(Buildings, Prefabricated)

KISELEV, Ya.

Combatting forest fires. Tekh. mol. 23 no.6:32 Je '55. (MIRA 8:9)
(Forest fires)

KISELEV, Ya. (Pavlodarskaya oblast')

Letter from the virgin lands. Tekh.mel.24 no.4:13 Ap '56.
(Agricultural machinery) (MIRA 9:7)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

KISELEV, Ya.

Resin. Znan.sila 31 no.9:26 S '56. (MLRA 9:10)
(Gums and resins)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

KISKELEV, Yakov.

Furniture made of wood waste. IUn,tekh.2 no.11:55 N '57. (MIRA 10:11)
(Wood waste)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

KISELEV, Ya.

KISELEV, Ya.

Without cuttings and sawdust. IUn.tekh. 2 no.1:33 Ja '58.

(Woodwork)

(MIRA 11:1)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

KISELEV, Ya.

Electric motors for rafts. IUn. tekhn. 2 no.5:68 My '58. (MIRA 11:6)
(Lumber--Transportation)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

KISELEV, Ya.

Resin. IUn.tekh. 2 no.8:55 Ag '58.
(Gums and resins)

(MIRA 12:7)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

KISELEV, Ya.

AUTHOR: Kiselev, Ya. 25-2-14/43

TITLE: Desiccation of Wood by Liquids (Drevesinu sushit zhidkost')

PERIODICAL: Nauka i Zhizn', 1958,²⁵# 2, pp 46-47 (USSR)

ABSTRACT: Recently, scientists proved that the use of oily liquids for the desiccation of wood is less expensive and more effective than all other previously applied methods. Petrolatum - a waste of the oil refining industry - is heated up to 130°C in a large vat, containing wooden boards; under the influence of temperature, the moisture in the wood cells boil, is mixed with air and forms a steam-air mixture. Under this pressure, the moisture is shifted to the ends of the boards, drops into the petrolatum and is raised to its surface in the form of brown foam. After this process of desiccation it is not necessary to coat the wood boards with drying oil since petrolatum contains paraffin - the boards can be kept outdoors without absorbing any moisture. This method of desiccation is already being applied in several wood-processing enterprises.

There is one sketch.
AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Kiselev, Ya. SOV-25-58-7-39/56

TITLE: Forage Yeast (Kormovyye drozhzhi)

PERIODICAL: Nauka i zhizn', 1958, № 7 pp 68-69 (USSR)

ABSTRACT: The Moskovskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo instituta gidroliznoi i sul'fitno-spirtovoy promyshlennosti (Moscow Laboratory of the All-Union Scientific Research Institute of Hydrolysis and Sulfide-Alcoholic Industry) is cultivating various kinds of yeast to be added to forage. If 200-250 grams of yeast is added to the feed of young pigs, they gain from 15 to 17% more weight. Similar favorable results are achieved with cattle and poultry. Under the influence of yeast, fur-bearing animals (silver foxes, minks etc.) breed more rapidly and the quality of fur improves. Even bees fed with yeast produce more honey in summer.

1. Yeasts--Physiological effects

Card 1/1

AUTHOR: Kiselev, Ya.

SOV-25-58-8-37/61

TITLE: "DSP" (DSP)

PERIODICAL: Nauka i zhizn', 1958, Nr 8, p 68 (USSR)
²⁶

ABSTRACT: A workers group of the Tsentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli (Central Scientific Research Institute of Plywood and Furniture) has worked out a process for producing wood-laminated plastic - "DSP" (drevesno-sloistyy plastik) veneer sheets soaked with a binding substance and pressed under great pressure between the heated plates of a hydraulic press. Like metal, the new material can be milled, planed and turned. All kinds of spare parts can be made of it, such as bearings, gears, bushings, etc. Articles made of wood-laminated plastic have the same durability as metal, but are considerably cheaper. It does not replace bronze, babbitt and other metals, is not subject to corrosion and oxidation, and has proved applicable with many aggressive chemical agents. The Institute personnel has also developed a technological process making the mechanical machining of an article unnecessary. For this purpose, the veneer sheets were not used, but the so called "droblenka" - small pieces of these thin plywood plates. "Droblenka" is not made of good veneer sheets but of the waste accumulating

Card 1/2

"DSP"

SOV-25-58-8-37/61

from production. It is also being soaked with a binding substance and placed into a hot press-form.

1. Plastics--Development
2. Wood--Applications

Card 2/2

AUTHOR: Kiselev, Ya. Role 29-4-16/20

TITLE: Paper Assumes a New (Bumaga vystupayet v novoy roli)

PERIODICAL: Tekhnika Molodezhi, 1958, vol 26, Nr 4, pp. 30-30 (USSR)

ABSTRACT: Some time ago it was stated on the strength of Chinese documents that paper was mentioned for the first time in the year 12 prior to the new era. Books were written on it in the year 76 of the new era. The manufacturing method of paper was also described 10 years later. Paper has been used for writing and printing since almost 2000 years. Only since some decades it met with new applications. The author describes some of them in his article. Both the Central Institute for Scientific Investigations of Paper and the Institute for Bakery-Industry commonly developed a special paper for preserving bread. With this a great number of men are provided for who are obliged to stay for months far from inhabited regions (expeditionists, fur-trappers, fishers). Washable wall-paper and self-sealing wall paper which is impregnated with insecticide was recently put on the market. Plates and utensils made of paper are very cheap. It is hygienic and therefore most suitable for

Card 1/3

Paper Assumes a New Role

29-4-16/20

hospitals. The aluminum-plated frying pans of paper are light, comfortable on travel and stand heating up to 250°C. Ornaments for the Christmas tree and articles for carnival are made of fireproof paper. Suits of fireproof paper enable the wearer to walk through the fire or to work near it. Heavy species of corrosionproof paper were made for the packing of metal goods. A current-conducting paper was manufactured too. The electric industry requires especially durable paper for insulations. A plant manufacturing a special durable paper of cotton fibers, asbestos, glass and other materials is operating at an institute in Leningrad. Bandaging material, napkins, linen, bed-linen, clothing materials, etc. which are by no means inferior to the ordinary textiles, are made of paper. A special soft and completely noiseless paper is manufactured abroad. This paper is used for packing candies. Another sort of noiseless paper is used for both radio- and television transmissions. A typing paper impregnated with a carbon-solution was equally made abroad. It makes it possible to make 7 copies at a time - without ribbon and carbon-paper. There are maps in some countries over which a tank can easily ride without damaging them in any way whatever, though they might have been in a puddle before. There exist bags for preserving clothes, food, vegetables.

Card 2/3

Paper Assumes a New Role

29-4-16/20

The scientists of many countries constantly make new experiments with paper and it may be expected that paper will conquer still other fields of application.

AVAILABLE: Library of Congress

1. Paper-History
2. Paper-Applications

Card 3/3

AUTHOR:

Kiselev, Ya.

SOV/25-59-1-36/51

TITLE:

A Dump Barge (Barzha-samosval)

PERIODICAL:

Nauka i zhizn', 1959,¹⁶ Nr 1, p 68 (USSR)

ABSTRACT:

Recently an Irtysh skipper, A.N. Lukovitskiy, developed the construction of the first dump barge which reduces to a large extent the expenses for the transportation of timber. The barge is 77.6 meters long, 15 meters wide, 2.5 meters high and has a load capacity of 1,700 tons. There is one photograph and one drawing.

Card 1/1

SOV/25-60-2-23/42

AUTHOR: Kiselev, Ya.TITLE: Semi-Conductor Paper

PERIODICAL: Nauka i zhizn', 1960, Nr 2, p 66 (USSR)

ABSTRACT: Recently, in Kaunas, at the fabrika imeni Yu. Yanonisa (Factory imeni Yu. Yanonis) mass production of a paper which substitutes as photographic film was organized. The machine used for the production of this paper was developed by the Nauchno-issledovatel'skiy institut elektrografii Litovskogo Sovnarkhoza (Scientific-Research Institute for Electrography of the Lithuanian Sovnarkhoz). The new paper is a usual writing paper covered with a semi-conductor layer. With the aid of this paper, x-ray images may be made immediately without developing, fixing and drying. Well purified benzine serves as developer and fixing agent. The picture can be given any desired color which is important for manufacturing advertisement material. A method is being tested which makes it ✓

Card 1/2

SOV/25-60-2-23/42

Semi-Conductor Paper

possible to wash off the first image and take a second
one on the same paper.

Card 2/2

SHCHEDRIN, G.I., Vitse-admiral Geroy Sovetskogo Soyuza; KORSHUNOV,
V.G., kapitan 1 ranga; KISELEV, Ya., red.; KUVYRKova, L.,
tekhn. red.

[Submariners]Podvodniki; sbornik ocherkov. Moskva, Izd-vo
"Molodaisa gvardiia," 1962. 173 p. (MIRA 16:3)
(Submarine boats)

FEDOROV, Aleksey Grigor'yevich, komandir i letchik; KISELEV, Ya.,
red.; LYAGNIKOVA, L., tekhn. red.

[Wages of happiness; memoirs of a flight commander] Plata
za schast'e; zapiski letchika-komandira. Moskva, Molodaia
gvardiia, 1963. 282 p. (MIRA 16:12)

(World War, 1939-1945--Aerial operations)

(World War, 1939-1945--Personal narratives)

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6

PESKOV, Vasiliy Mikhaylovich; KISELEV, Ya., red.

[White dreams] Belye sny. Moskva, Molodaia gvardiia,
1965. 331 p. (MIRA 18:8)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722810014-6"

CA

KISELEV, YA. E.

20

Increasing the output of rotary kilns operating on natural
gas. I. I. Zingman, V. N. Klimov, B. G. Sosulin, and
M. G. Bortin. Tsvetnoy 17, No. 4, 18-30(1961).—The out-
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